Optimize Your Unconventional Resource Plays

Two Ways to Attend

In-Person
Register with confidence. Gather safely in Houston with your friends, colleagues, and business relationships for three days of science, networking, and commercial exchange.

Online
Still not sure about face-to-face contact? We have you covered. You’ll still be able to connect online from the comfort of your home or office.

Register Now: URTeC.org
About URTeC

Jointly organized by Society of Petroleum Engineers (SPE), the American Association of Petroleum Geologists (AAPG), and the Society of Exploration Geophysicists (SEG), the Unconventional Resources Technology Conference (URTeC), has proven to be a staple within our industry as the premier event focused on the latest science and technology applied to exploration and development of unconventional resources, with special emphasis on integration of the multiple disciplines.

Following an unprecedented year in 2020, URTeC is excited and looking forward to getting back to business with the 2021 hybrid meeting being held 26–27 July in Houston, Texas at the George R. Brown Convention Center. The 2021 program is as diverse and strong as ever featuring 290 in-person and online presentations, 11 concurrent sessions, 16 short courses, 11 topical luncheons, 10 panel sessions, 9 topical breakfast, opening plenary session, core workshop, 150+ exhibiting companies, and several networking opportunities.

Whether you are re-connecting in person or online, URTeC remains the best opportunity you’ll have to exchange information, formulate strategic ideas and solve problems for managing and optimizing unconventional resource play projects and developments. Visit URTeC.org to learn more and register today.

Panel Sessions

**MONDAY, 26 JULY**

The Road Ahead for New Technology Now: Funding and Commercialization
10:45 am–12:05 pm (In-Person)

Implementing New Technologies in the Field: How Companies are Approaching it in 2021 and Beyond
1:45 pm–3:25 pm (In-Person)

Data Issues: Management, Integrity, Legacy
4:05 pm–5:25 pm (Online)

ESG in Action: Flare Reduction, Leak Detection, Logistics, Blended Solar / Geothermal / Wind Electricity Generation Projects, Social License to Operate
4:05 pm–5:25 pm (In-Person)

**TUESDAY, 27 JULY**

Sensors, Automation, and Smart Digital Operations: Where We are and the Road Ahead
10:45 am–12:05 pm (In-Person)

Learning from Other Industries: A Geothermal Conversation
1:45 pm–3:25 pm (Online)

Supply Chains in Energy: Cost Savings, Quality Assurance, 3-D Printing, Ethical Sourcing
4:05 pm–5:25 pm (In-Person)

**WEDNESDAY, 28 JULY**

Assessing Risk and Evaluating Opportunities from Different Perspectives
8:25 am–10:05 am (In-Person)

Earth's Surface Imaging for Pivoting: Affordable Drones and Satellite Imaging Geological Exploration and Operations, Environmental Monitoring, and Energy Utilization
10:45 am–12:05 pm (In-Person)

Digital Platforms, Cloud-Based Collaborations, Ecosystems
1:45 pm–3:25 pm (In-Person)

Special Sessions

**MONDAY, 26 JULY**

ConocoPhillips Showcase
10:45 am–12:05 pm (In-Person)

**TUESDAY, 27 JULY**

Best of ARMA
8:25 am–10:10 am (In-Person)

ConocoPhillips: Well and Production Performance Management
1:45 pm–3:30 pm (In-Person)

EOR: Best of Tulsa-Recovery Improvement for Unconventional/Tight Systems
1:45 pm–3:30 pm (In-Person)

**WEDNESDAY, 28 JULY**

Carbon Capture, Utilization, and Storage I & II
8:25 am–12:05 pm (In-Person)

Opening Session: Understanding Unconventional Reservoirs: DOE Fundamental Shale Research Program
8:25 am–9:00 am (In-Person)

Insights on Relationship Between Matrix Geochemistry and Production: From Pores to Fractures
9:00 am–10:00 am (Online)

Insights on the Relationship Between Geomechanics and Geochemistry and Production: From Fracture (Faces) to Reservoir
10:15 am–11:15 am (Online)

Insights on How to Optimize Production: Take-Home Messages
11:15 am–12:05 pm (Online)

Best of SPWLA
1:45 pm–3:30 pm (In-Person)
Topical Breakfasts

**TUESDAY, 27 JULY**

Practical Aspects of Core/Log Integration in Organic Mudstones and How it Impacts Business Decisions and Overall Cost of Value of Information
7:00 am–8:15 am (In-Person)

Charting a Course – Oilfield Services, Technologies, Trends, and the Impact on Domestic Producers
7:00 am–8:15 am (In-Person)

PE Opportunity Space in Upstream, Midstream, and Renewables and What Critical Assessments You Look for or Target for Possible Investment and Why
7:00 am–8:15 am (In-Person)

**WEDNESDAY, 28 JULY**

Making Ungainly Strides Toward Team-Building
7:00 am–8:15 am (In-Person)

The Great Transition?
7:00 am–8:15 am (Online)

Present and Future Technological Challenges in the Formation Evaluation of Unconventional Sources of Subsurface Energy
7:00 am–8:15 am (In-Person)

Hess In The Bakken: Lean and Innovation Driving the Next Stage of Development
7:00 am–8:15 am (Online)

Investigation of Multiple Formations in the Midcontinent for CO₂ Storage Potential Through the Acquisition and Analysis of over 700ft of Whole Core
7:00 am–8:15 am (In-Person)

Topical Luncheons

**MONDAY, 26 JULY**

Chevron Permain Asset Optimization: Overview of Chevron’s Strategy of Leading Performance
12:15 pm–1:30 pm (In-Person)

Outlook and Sustainability of Unconventional O&G-Price and Commodity-ROI
12:15 pm–1:30 pm (In-Person)

Spacing Ourselves to Death
12:15 pm–1:30 pm (In-Person)

**TUESDAY, 27 JULY**

Future of Unconventionals – Geoscience and Engineering Aspects
12:15 pm–1:30 pm (In-Person)

Energy 4.0: How to Design a Future-Proof Digital Asset that Hits the Financial Bottom Line
12:15 pm–1:30 pm (Online)

12:15 pm–1:30 pm (In-Person)

Environmental, Social and Corporate Governance: A Different Take
12:15 pm–1:30 pm (Online)

Exploration and Inventory Assessment in the Age of Capital Efficiency and Free Cash Flow
12:15 pm–1:30 pm (In-Person)

**WEDNESDAY, 28 JULY**

Promoting Cased Hole Formation Evaluation (CHFE) as an Alternative to Openhole Logging for Completion Design in Horizontal Wells
12:15 pm–1:30 pm (Online)

Casing Damage and Hydraulic Fracturing: Geomechanical Perspectives
12:15 pm–1:30 pm (In-Person)

B Minus – Must Try Harder: Some Thoughts on the Current State of the Art in Unconventional Play and Reservoir Evaluation
12:15 pm–1:30 pm (In-Person)

BPX Energy: Technical Evolution Through Applied Physical Analytics
12:15 pm–1:30 pm (In-Person)

View Full Details at URTeC.org.
Choose From 290 Presentations Covering the Most Relevant Topics Related to Unconventional Resource Play Development

- Navigating Technologies That Deliver Bottom-Line Results
- Optimizing Completions, Perforations, and Stimulation Strategies
- Optimizing Development Strategies I & II
- Parent-Child and Well Spacing
- Permian Stacked Pay Development Strategies
- Friction Reducers and Other Completion Fluids
- Innovative Technologies to Reduce Completions Costs
- Innovative Technologies: New Materials and Workflows
- Novel Proppants, Low Environmental Impact Fluids and Additives
- Workflows to Identify Fracture Geometry/Methods for Subsurface Reservoir Characterization
- International and Emerging Challenges of Unconventional Resources: Integrated Geoscience and Engineering
- Maximizing and Delivering Value
- Focus on Methane: Produced Water and Induced Seismicity
- Focus on Methane: The Regulatory Challenges and Monitoring for the Future
- Produced Water and Induced Seismicity - ESG Perspectives
- Evaluating and Applying Advanced Methods to Create Value in Unconventionals
- Geoscience Tools and Methods for Understanding the Rock
- Novel Completion Methods to Optimize Costs and Maximize Recovery
- Unlocking the Production and Recovery Potential of Unconventionals
- Advanced Formation Evaluation and its Impact in Hydrocarbon Recovery
- Advances in Special Core Analysis and Core-Flood Testing
- Drivers for Understanding Reservoir Quality and Completion Quality
- Emerging Petrophysical Evaluations
- Emerging Petrophysical Evaluations and Completion Quality
- High and Low Field NMR Applications
- Por-Network Imaging and Fluid Flow Modeling
- Rock-Fluid and Fluid-Fluid Interactions - PVT Data Acquisition/Analysis
- Emerging Geological Evaluations, Tools and Workflows: Data Driven Methods
- Emerging Geological Evaluations, Tools and Workflows: Examples from the Field and Beyond
- Structural Geology as Applied in Unconventionals
- New Ideas and Workflows for Reservoir Characterization of Unconventional Reservoirs
- Regional Geological Evaluations and Studies of Unconventional Plays
- Reservoir Characterization, Geological Evaluations, and Studies of Unconventional Plays
- Measuring Stress, Strain, and Pressure
- Novel Seismic Inversion and Attribute Applications
- Quantifying Natural Fracture Properties and Reservoir Pressure
- Reservoir Characterization Using Petrophysics, Geomechanics, and Microseismic
- Tools and Techniques for Measuring Fracture Interactions
- Diagnostics and Monitoring with Geomechanical Models
- Experimental Rock Mechanics I & II
- Geomechanical Models and Experimental Rock Mechanics
- Hydraulic Fracturing: Monitoring, Modelling, and Analysis I, II, III, IV
- Advances in Applied Petroleum Geochemistry and its Applications
- Analytical Advances in Applied Petroleum Geochemistry
- Proven and Potential Applications of Time-Lapse Geochemistry
- Understanding and Predicting Produable Fluids
- Data-Driven Forecasting and Combining Physics-Based and Machine-Learning Methods
- Data-Driven Production Forecasting and Optimization
- Machine-Learning for Subsurface Applications
- The New Frontier: Combining Physics-Based and Machine-Learning Methods
- Case Studies
- Eagle Ford
- Facilities and Artificial Lift
- Flow and Phase Behavior
- Improving Recovery From Flowback to EOR Potential
- Modeling
- Northern Shales
- EUR and Performance Prediction
- EUR and Performance Prediction - DCA and Beyond I & II
- EUR and Performance Prediction and Type Well Profiles
- Future of Production Forecasting and Production Diagnostics
- Well Spacing and Well Interference Impact
- Structural Geology as Applied in Unconventionals

View Full Details at URTeC.org.
Core Workshop

Epeiric Marine Unconventional Reservoir Variability: Cored Examples from the Permian in West Texas and the Cretaceous in the Powder River Basin

Sunday, 25 July | 8:00 am–4:00 pm | In-Person

This workshop explores variability in sedimentation, stratigraphic architecture, and reservoir character in examples of core from a continental seaway and an intracratonic basin rimmed by carbonate platforms. Participants will work with instructors to evaluate integrated stratigraphic, petrographic, and geochemical data and interpret the genesis of reservoir properties. Additional workshop information can be found online at: URTeC.org.

Build Your Skills and Knowledge with URTeC Short Courses

URTeC short courses offer a wealth of information in a short period of time. They are an effective and efficient way to learn about the industry. With so many to choose from, there's something for everyone. Additional short course information can be found online at: URTeC.org.

<table>
<thead>
<tr>
<th>Title</th>
<th>Date(s) / Time(s)</th>
<th>Fees</th>
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</thead>
<tbody>
<tr>
<td><strong>1</strong> Principles of Energy Storage and Carbon Capture Utilization and Storage (Online)</td>
<td>24 July 2021 8:00 am–5:00 pm</td>
<td>Members $250, Non-Members $300 Students $125</td>
</tr>
<tr>
<td><strong>2</strong> Harnessing the Power of the Beast: A Machine Learning Workshop for Geoscientists (Online)</td>
<td>24 July 2021 8:00 am–5:00 pm</td>
<td>Members $795, Non-Members $995 Students $300</td>
</tr>
<tr>
<td><strong>3</strong> How Engineers Make Money Using Geophysics (Online)</td>
<td>3–6 August 2021 8:00 am–12:00 pm</td>
<td>Members $500, Non-Members $600 Students $250</td>
</tr>
<tr>
<td><strong>4</strong> Advanced Seismic Techniques: Concepts &amp; Examples (Online)</td>
<td>23–25 July 2021 8:00 am–5:00 pm</td>
<td>Members $375, Non-Members $450 Students $187.50</td>
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<tr>
<td><strong>5</strong> Petrophysics and Geophysics Relevant to CO2 Enhanced Oil Recovery (Online)</td>
<td>25 July 2021 8:00 am–5:00 pm</td>
<td>Members $250, Non-Members $300 Students $125</td>
</tr>
<tr>
<td><strong>6</strong> The Geology of Unconventional Reservoirs (Online)</td>
<td>22–25 July 2021 9:00 am–1:00 pm</td>
<td>Members $500, Non-Members $600 Students $250</td>
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<tr>
<td><strong>7</strong> Understanding Signals: Basic Waveform Analysis from a Geophysical Perspective (Online)</td>
<td>22–25 July 2021 9:00 am–1:00 pm</td>
<td>Members $500, Non-Members $600 Students $250</td>
</tr>
<tr>
<td><strong>8</strong> DFIT - The Unconventional Well Test: Theory, Design, and Interpretation (In-Person)</td>
<td>24–25 July 2021 8:00 am–5:00 pm</td>
<td>Members $1,150, Non-Members $1,350 Students $500</td>
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<td><strong>9</strong> Mastering Uncertainty and Risk in Unconventional Reservoir Assessment (In-Person)</td>
<td>25 July 2021 8:00 am–5:00 pm</td>
<td>Members $700, Non-Members $900 Students $300</td>
</tr>
<tr>
<td><strong>10</strong> Unconventional Reservoir Production (Rate-Transient) Analysis (In-Person)</td>
<td>24–25 July 2021 8:00 am–5:00 pm</td>
<td>Members $1,150, Non-Members $1,350 Students $500</td>
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<tr>
<td><strong>11</strong> Critical Geomechanics Concepts and Applications to Unconventionals Completions (In-Person)</td>
<td>25 July 2021 8:00 am–5:00 pm</td>
<td>Members $700, Non-Members $900 Students $300</td>
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<tr>
<td><strong>12</strong> Methane Emission Measurement &amp; Mitigation (MEMM) (Online)</td>
<td>29 July 2021 8:00 am–5:00 pm</td>
<td>Members $300, Non-Members $400 Students $150</td>
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<tr>
<td><strong>13</strong> An Overview of Multistage Completion Systems for Hydraulic Fracturing (Online)</td>
<td>29 July 2021 8:00 am–9:00 am</td>
<td>Members $300, Non-Members $400 Students $150</td>
</tr>
<tr>
<td><strong>14</strong> Applied Concepts in Fractured Reservoirs (Online)</td>
<td>29–30 July 2021 8:00 am–1:00 pm</td>
<td>Members $500, Non-Members $600 Students $300</td>
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<tr>
<td><strong>15</strong> Gas EOR in Tight Unconventionals (Online)</td>
<td>29–30 July 2021 8:00 am–5:00 pm</td>
<td>Members $500, Non-Members $600 Students $300</td>
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<tr>
<td><strong>16</strong> Reservoir Engineering Applications of Advanced Data Analytics and Machine Learning Algorithms (Online)</td>
<td>29–30 July 2021 8:00 am–5:00 pm</td>
<td>Members $500, Non-Members $600 Students $300</td>
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**Cancelled Short Course(s)**

SC - 11 Forecasting Well Production Data in Unconventional Resources

Register Now!
Register online today at URTeC.org. Online registration provides immediate knowledge of availability of events (short courses, core workshop, topical breakfasts and luncheons, etc.).

Book Hotel
Please book your rooms directly with Hilton Americas – Houston. URTeC has secured a room block at the Hilton to insure safe and convenient accommodations for attendees New hotel reservations must be reserved by 7 July.

Register Today at URTeC.org

Join the Conversation! #URTeC2021

View Full Details at URTeC.org.